Clinical: Posterior dynamic pedicular stabilization

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Study on Treatment of Lumbar Radiculopathy by Selective Decompression of Lumbar Root Canal

S. Feng

1Tianjin Medical University General Hospital, Tianjin, China

Objective: The lumbosacral nerve root diseases are caused by nerve root compression symptoms of a series of diseases, including prolapse of lumbar intervertebral disc, lumbar spinal stenosis disease, lumbar olisthe disease, joint axon joint hyperplasia cohesion, the result is that nerve root stimulated symptoms and lower back pain and intermittent claudication. This article is to evaluate the effect of the treatment of lumbar radiculopathy by selective decompression of lumbar root canal.

Method: 216 lumbar radiculopathy patients were treated by selective decompression of lumbar root canal. All patients were followed up for 1~5 years (24 months on average), and the recovery of spinal cord function was evaluated by LBOS assessment. The surgical method is accord to the nerve root canal stenosis site selection of different depressive range and methods. Resection of the joints should narrow entrance area within the joint flank, usable axons bite, bone resection with grinding, drill ground thin from bilateral resection, 30 percent area around the joint, it will not affect the stability. When the middle area in which should be paid attention to narrow the root ganglion back, with superior products and resection of the spondyloysis first part, can obtain pressure existing lumbar olisthe, scrape spoon or a bit of lumbral vertebrae bone clamp removal of soft tissue.

Result: We found that 134 cases (62.04%)were excellent, 48 cases (23.15%) good, 22 cases (10.19%)fair, 10 cases(4.62%) poor, the percentage beyond fair was 85.19%.

Conclusion: Selective decompression of lumbar root canal is really a effective and safe procedure to treat lumbar radiculopathy.